

**FIG. 1A**

ATGCTGCTGCTGCTGCTGCTGGCCCTGAGGCTACAGCTCTCCTGGCATCATCCCA  
M L L L L L L L L G L R L Q L S L G I I P  
GTTGAGGAGAAACCCGACTTCTGGAACCGGAGGCAGCCGAGGCCCTGGGTGCCGCC  
V E E E N P D F W N R E A A E A L G A A  
AAGAACTGCAGCTGCACAGACAGCCGCCAAGAACCTCATCATCTTCCTGGCGCATGGG  
K K L Q P A Q T A A K N L I I F L G D G  
  
ATGGGGTGTCTACGGTGACAGCTGCCAGGATCCTAAAGGCGAGAAGGACAAACTG  
M G V S T V T A A R I L K G Q K K D K L  
  
GGCCCTGAGATACCCCTGGCCATGGACCGCTTCCCATATGTGGCTCTGTCCAAGACATAC  
G P E I P L A M D R F P Y V A L S K T Y  
  
AATGTAGACAAACATGTGCCAGACAGTGGAGCCACAGCCACGGCCTACCTGTGCGGGTC  
N V D K H V P D S G A T A T A Y L C G V  
  
AAGGGCAACTTCAGACCATTTGGCTTGAGTGCAGCCGCCGCTTTAACCAAGTGCAACACG  
K G N F Q T I G L S A A A R F N Q C N T  
  
ACACGGGCAACGAGGTCACTCCGTGATGAATCGGGCCAAGAAAGCAGGAAGTCAGTG  
T R G N E V I S V M N R A K K A G K S V

**FIG. 1B**

GGAGTGGTAACCAACACGAGTGCAGCACGCCCTGCCAGCCGGCACCTACGCCACACG  
G V V T T T R V Q H A S P A G T Y A H T  
GTGAACCGCAACTGGTACTCGGACGCCGACGTGCCCTGCCCTCGGCCCGCAGGAGGGTGC  
V N R N W Y S D A D V P A S A R Q E G C  
CAGGACATCGCTACGCAGCTCATCTCCAACATGGACATTGACGTGATCCCTAGTGGAGGC  
Q D I A T Q L I S N M D I D V I L G G G  
CGAAAGTACATGTTTCCCATGGGAACCCAGACCCCTGAGTACCCAGATGACTACAGCCAA  
R K Y M F P M G T P D P E Y P D D Y S Q  
GGTGGACCAGGCTGGACGGGAAGAATCTGTGCAGGAATGGCTGGCGAAGCGCCAGGGT  
G G T R L D G K N L V Q E W L A K R Q G  
GCCCGGTATGTGTGAACCGCACTGAGCTCATGCAGGCTTCCCTGGACCCGCTGTGACC  
A R Y V W N R T E L M Q A S L D P S V T  
CATCTCATGGGTCTTTGAGCCTGGAGACATGAAATACGAGATCCACCGAGACTCCACA  
H L M G L F E P G D M K Y E I H R D S T

FIG. 1C

CTGGACCCCTCCCTGATGGAGATGACAGAGGCTGCCCTGCGCCTGCTGAGCAGGAACCCC  
L D P S L M E M T E A A L R L L S R N P

CGCGGCTTCTTCCCTTCGTGGAGGGTGGTCGCATCGACCATGGTCATCATGAAAGCAGG  
R G F F L F V E G G R I D H G H H E S R

GCTTACCGGGCACTGACTGAGACGATCATGTTGACGACGCCATTGAGAGGGCGGCCAG  
A Y R A L T E T I M F D D A I E R A G Q

CTCACCAGCGAGGAGACACGCTGAGCCTCGTCACTGCCGACCACCTCCACGCTTCTTCC  
L T S E E D T L S L V T A D H S H V F S

TTCGGAGGCTACCCCTGCGAGGGAGCTCCATCTTCGGGCTGGCCCCCTGGCAAGGCCCGG  
F G G Y P L R G S S I F G L A P G K A R

GACAGGAAGCCCTACACGGTCCTCCTATACGGAACGGTCCAGGCTATGTGCTCAAGGAC  
D R K A Y T V L L Y G N G P G Y V L K D

GGCGCCCGCGGATGTTACCGAGAGCGAGCGGAGCCCCGAGTATCGGCAGCAGTCA  
G A R P D V T E S E S G S P E Y R Q Q S

FIG. 1D

GCAGTGCCCTGGACGAAGAGACCCACGAGCGGAGACGTGGCGGTGTTCCGCGCGGC  
A V P L D E E T H A G E D V A V F A R G

CCGAGGCGCACCTGGTTACGGCGGTGCAGGAGCAGACCTTCATAGCGCACGTCA TGGCC  
P Q A H L V H G V Q E Q T F I A H V M A

TTCGCCGCTGCCCTGAGCCCTACACCGCCTGCGACCTGGCGCCCCCGCGCACCA  
F A C L E P Y T A C D L A P P A G T T

GACGCCGCGCACCCAGGTAAC TATGAAGTTGAATTCCGAAGAGCACTCTACGTAGAGGT  
D A A H P G N Y E V E P R R A L Y V E G

GAAAGAGGATTCTTCTACACTCCAAGGCACTCTACCTCGTAGAGGGTGAAAGAGGATTC  
E R G F F Y T P K A L Y L V E G E R G F

TTCTACACTAGTCTCATGACCATAGCCTATGT CATGGCTGCCATCTGCGCCCTCTTCATG  
F Y T S L M T I A Y V M A A I C A L F M

CTGCCACTCTGCCCTCATGTGGACTACAAGGATGATGATGACAAGTAG  
L P L C L M V D Y K D D D K \*

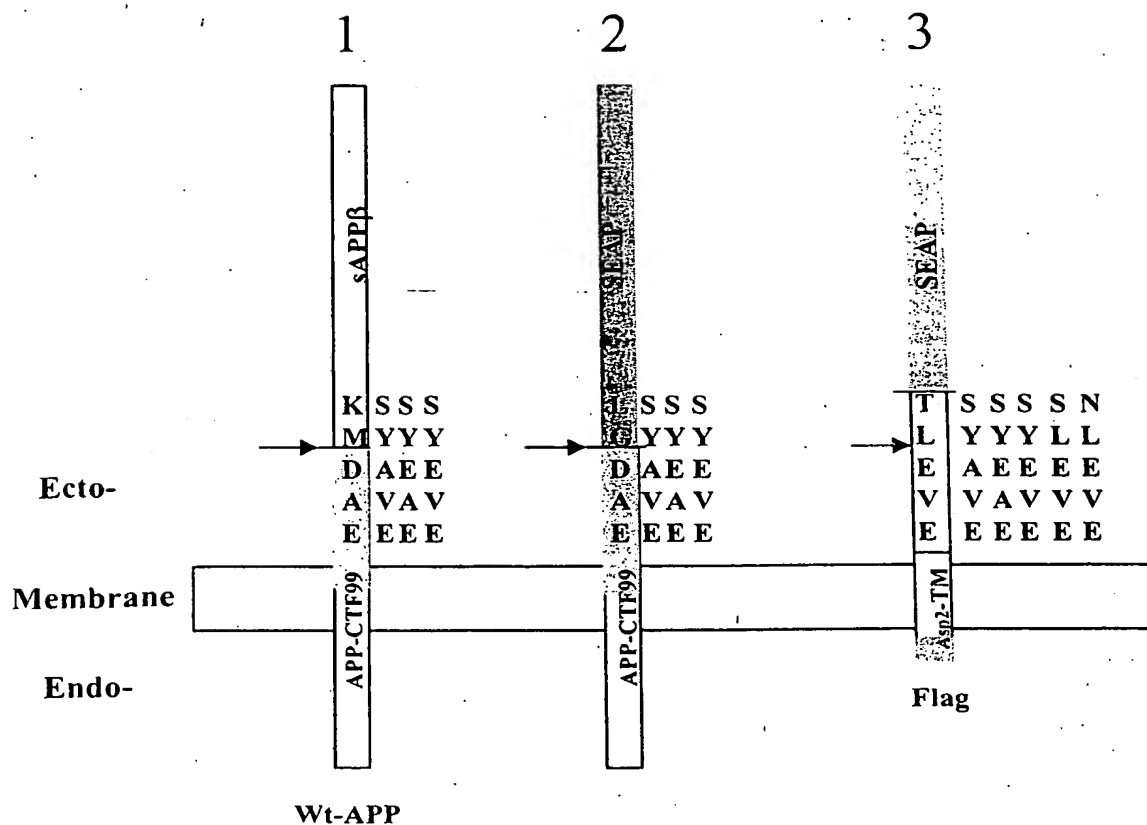
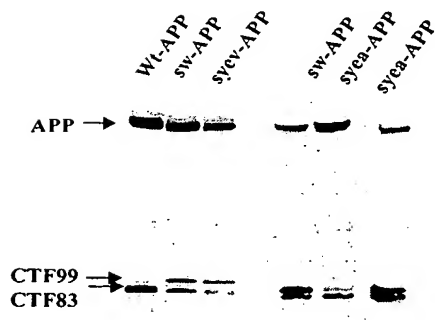


FIG. 2



**FIG. 3**